



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5

77 WEST JACKSON BOULEVARD

CHICAGO, IL 60604-3590

Date: ~~DEC 29 1993~~ (12/29/93)

REPLY TO THE ATTENTION OF

Subject: On-Site Solidification of RCRA Hazardous Battery Case Material at the NL Industries/Taracorp Site in Granite City, Illinois

From: Brad Bradley BB
Remedial Project Manager

To: NL File

The purpose of this memo is to explain U.S. EPA's decision to pursue on-site solidification of RCRA hazardous battery case material excavated as part of the response action at the NL Industries/Taracorp Site in Granite City, Illinois (NL Site).

The March 30, 1990 Record of Decision (ROD) for the NL Site requires off-site disposal of all battery case material which does not pass the TCLP test (RCRA hazardous battery case material). Due to estimated cost savings of up to \$450,000 (see attached cost estimate), U.S. EPA is recommending that all RCRA hazardous battery case material be solidified on-site until the resultant mixture passes the TCLP test, and then disposed of in a landfill licensed to accept special wastes. These wastes are currently being solidified off-site at much greater expense. On-site solidification will not change the overall protectiveness of the remedy. Dust control measures, which have been successfully employed during excavation and loading of battery case material, will be employed to ensure that there are no unacceptable releases of lead into the air during unloading, solidification, and loading activities.

In summary, due to considerable estimated cost savings and the fact that the overall protectiveness of the remedy outlined in the ROD will not change, U.S. EPA will pursue on-site stabilization of RCRA hazardous battery case material excavated at the NL Site. Implementation of this action is contingent upon U.S. EPA obtaining all necessary permits and clearances. On-site waste solidification, though not included in the ROD, is consistent with the ROD. Because the ROD is silent on where waste solidification should occur and the disposal requirements of the ROD are unchanged by on-site waste solidification, on-site waste solidification is not considered a significant difference from the ROD.

Attachment

COST SAVINGS ESTIMATE - PRELIMINARY -

REQUESTED COST SAVINGS FOR GRANITE CITY STABILIZATION

19 NOV 1993

ON SITE STABILIZATION

DISPOSAL STABILIZATION

| | | | | | |
|----------------------------|---------|--------|------------------------|----------|--------|
| SHIP TO TARA CORP | \$5.16 | TN | | | |
| ON SITE STABILZ (OHM COST) | \$30.00 | TN | | | |
| <u>TOTAL</u> | \$35.16 | TN | | | |
| SHIP TO DISPOSAL | \$6.50 | TN | SHIP TO DISPOSAL | \$35.00 | TN |
| DISPOSAL CHARGE | \$10.23 | TN | DISPOSAL CHARGE | \$111.00 | TN |
| <u>TOTAL</u> | \$61.89 | TN | <u>TOTAL</u> | \$146.00 | TN |
| CONVERT TO CU YDS / .7 | \$74.13 | CU YDS | CONVERT TO CU YDS / .7 | \$208.57 | CU YDS |
| 11 % OHM G & A | \$8.15 | CU YDS | 11 % OHM G & A | \$22.94 | CU YDS |
| <u>GRAND TOTAL</u> | \$82.28 | CU YDS | <u>GRAND TOTAL</u> | \$231.51 | CU YDS |

AS OF 19 NOV 1993 FUNDS AVAILABLE

Post-it brand fax transmittal memo 7871 # of pages 1

| | |
|------------------------|---------------------|
| To BRAD BRADLEY | From MCNULTY |
| Co USEPA | Co USACE |
| Dept. | Phone # |
| Fax # | Fax # |

| | |
|----------------|----------------------|
| \$1,165,447.00 | ORIGINAL BUDGET |
| (\$765,082.00) | EXPENDED TO DATE |
| \$200,000.00 | CREDIT FROM CONCRETE |
| \$800,365.00 | TOTAL |
| (\$45,500.00) | REMAINING SPECIAL |
| \$554,865.00 | AVAILABLE FOR HAZ |

\$554,865.00 DIVIDED BY \$231.51 = 2,396.76 CU YDS

2,396.76 CU YDS X \$82.28 = \$197,212.21

PREPARED BY MCNULTY
OSR USACE

REVISION 1

| | |
|----------------|-------------------|
| \$554,865.00 | AVAILABLE FOR HAZ |
| (\$197,212.21) | COST OF SPECIAL |
| \$357,672.79 | SAVINGS |
| \$39,344.01 | OHM 11% G & A |
| \$397,018.80 | TOTAL |
| \$39,701.68 | USACE 10% S & A |
| \$7,940.34 | USACE 2% USER FEE |
| \$3,970.17 | USACE 1% E & D |

\$448,628.98

TOTAL SAVINGS TO USEPA

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